

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| L1    | 1     | "5420971".pn. and (highpass or hgh-pass or high\$pass or filter)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/10/14<br>12:30 |
| L2    | 2034  | edge orientation   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/10/14<br>13:20 |
| L3    | 12681 | 382/162,165,199,205,224-<br>225,254,260-261,263-<br>264,266,268,275.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/10/14<br>13:20 |
| L4    | 152   | 2 and L3   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/10/14<br>13:20 |
| L5    | 72    | (angle or steep\$ or gradient or slope<br>or inclin\$ or slant or skew or tilt) and<br>4   | USPAT   | ADJ              | ON      | 2009/10/14<br>13:21 |
| L6    | 45    | ((neighbor\$ or connect\$ or group)<br>with pixel) and 5   | USPAT   | ADJ              | ON      | 2009/10/14<br>13:21 |
| L7    | 32    | ((compar\$ or weigh\$ or contrast\$ or<br>match\$ or correspond\$) near5 edge)<br>and 6  | USPAT   | ADJ              | ON      | 2009/10/14<br>13:21 |
| L8    | 24    | ((first or initial or preliminary or<br>starting or earlier or original or<br>primary or 1st or leading or principal<br>or prior or before or beginnning or<br>preceding) with (second or following<br>or secondary or latter or last or next<br>or succeeding or subsequent or<br>additional or other or subordinate)<br>with edge) and 7 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/10/14<br>13:22 |
| L9    | 20    | angle and 8  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/10/14<br>13:27 |

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| L10 | 10      | (US-7023487-\$ or US-7020335-\$ or US-7003173-\$ or US-5819035-\$ or US-7155067-\$ or US-5832115-\$ or US-5420971-\$ or US-6262773-\$ or US-6771793-\$ or US-6956976-\$).did. | USPAT   | ADJ | ON | 2009/10/14<br>13:56 |
| L11 | 8       | ((monochrome or grey or gray or luminance or luminence or intensity) with edge) and L10   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>13:56 |
| L12 | 0       | orientation and L11   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>13:56 |
| L13 | 1       | orientation and L10   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>13:56 |
| S2  | 2       | "6192162".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>12:06 |
| S3  | 15      | ("6192162").URPN.   | USPAT   | ADJ | ON | 2009/10/13<br>12:14 |
| S5  | 12      | (angle or steep\$ or gradient or slope or inclin\$ or slant or skew or tilt) and S3   | USPAT   | ADJ | ON | 2009/10/13<br>12:39 |
| S6  | 1330852 | edge  | USPAT   | ADJ | ON | 2009/10/13<br>12:42 |
| S7  | 68366   | pixel and S6  | USPAT   | ADJ | ON | 2009/10/13<br>12:42 |
| S8  | 23284   | ((neighbor\$ or connect\$ or group) with pixel) and S7  | USPAT   | ADJ | ON | 2009/10/13<br>12:43 |
| S9  | 38982   | "382"/\$.ccls.  | USPAT   | ADJ | ON | 2009/10/13<br>12:47 |
| S10 | 6100    | S8 and S9   | USPAT   | ADJ | ON | 2009/10/13<br>12:47 |
| S11 | 1330852 | edge  | USPAT   | ADJ | ON | 2009/10/13<br>14:10 |
| S12 | 68366   | pixel and S11   | USPAT   | ADJ | ON | 2009/10/13<br>14:10 |
| S13 | 23284   | ((neighbor\$ or connect\$ or group) with pixel) and S12   | USPAT   | ADJ | ON | 2009/10/13<br>14:10 |
| S14 | 38982   | "382"/\$.ccls.  | USPAT   | ADJ | ON | 2009/10/13<br>14:10 |
| S15 | 6100    | S13 and S14   | USPAT   | ADJ | ON | 2009/10/13<br>14:10 |

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| S16 | 1815  | ((compar\$ or weigh\$ or contrast\$ or match\$ or correspond\$) near5 edge) and S15  | USPAT   | ADJ | ON | 2009/10/13<br>14:10 |
| S17 | 12681 | 382/162,165,199,205,224-225,254,260-261,263-264,266,268,275.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:16 |
| S18 | 843   | S16 and S17  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:16 |
| S19 | 391   | ((first or initial or preliminary or starting or earlier or original or primary or 1st or leading or principal or prior or before or beginnning or preceding) with (second or following or secondary or latter or last or next or succeeding or subsequent or additional or other or subordinate) with edge) and S18 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:22 |
| S20 | 77    | ((high pass or high-pass or high\$pass or peak or sharpen\$ or low-cut or low \$cut or low cut or bass-cut or bass \$cut or bass cut or rumble or enhanc \$) near3 filter) and S19   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:25 |
| S22 | 61    | ((assign\$ or label\$ or designat\$ or appoint\$ or name or tag or flag or mark or classify or identify or define or categorize or class or describe or description) near3 (pixel or edge)) and S20  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:29 |
| S23 | 8     | (US-7437013-\$ or US-7486844-\$ or US-7324120-\$ or US-7043078-\$ or US-7587091-\$ or US-7289667-\$ or US-7430336-\$ or US-7590302-\$).did.  | USPAT   | ADJ | ON | 2009/10/13<br>14:39 |
| S24 | 53    | S22 not S23  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:39 |
| S27 | 2     | (US-7020332-\$).did. or (US-20040001648-\$).did.   | USPAT;<br>DERWENT   | ADJ | ON | 2009/10/13<br>14:40 |
| S29 | 55    | S24 or S27   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:40 |

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| S30 | 54  | ((assign\$ or label\$ or designat\$ or appoint\$ or name or tag or flag or mark or classify or identify or define or categorize or class or describe or description) near3 (pixel or edge)) and S29  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:42 |
| S31 | 54  | ((high pass or high-pass or high\$pass or peak or sharpen\$ or low-cut or low \$cut or low cut or bass-cut or bass \$cut or bass cut or rumble or enhanc \$) near3 filter) and S30   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:42 |
| S32 | 54  | ((first or initial or preliminary or starting or earlier or original or primary or 1st or leading or principal or prior or before or beginnning or preceding) with (second or following or secondary or latter or last or next or succeeding or subsequent or additional or other or subordinate) with edge) and S31 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>14:43 |
| S33 | 39  | (angle or steep\$ or gradient or slope or inclin\$ or slant or skew or tilt) and S32   | USPAT   | ADJ | ON | 2009/10/13<br>14:49 |
| S34 | 9   | (US-7023487-\$ or US-7020335-\$ or US-7003173-\$ or US-5819035-\$ or US-7155067-\$ or US-5832115-\$ or US-5420971-\$ or US-6262773-\$ or US-6771793-\$).did.   | USPAT   | ADJ | ON | 2009/10/13<br>18:30 |
| S35 | 7   | color and S34  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>18:30 |
| S36 | 7   | (lumin\$ or bright\$) and S34  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>18:30 |
| S37 | 7   | S35 and S36  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>18:30 |
| S38 | 374 | ((angle or direction) near5 (gradient or descent or transition) with value) and S17  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>18:44 |
| S39 | 121 | (edge near (detect or detection or detecting)) and S38   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>18:45 |

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| S40 | 82    | ((assign\$ or label\$ or designat\$ or appoint\$ or name or tag or flag or mark or classify or identify or define or categorize or class or describe or description) near3 (pixel or edge)) and S39 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>18:46 |
| S41 | 82    | S40 not S32   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>18:47 |
| S42 | 42    | ((compar\$ or weigh\$ or contrast\$ or match\$ or correspond\$) near5 edge) and S41   | USPAT   | ADJ | ON | 2009/10/13<br>18:49 |
| S43 | 1     | "10597597"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>19:15 |
| S44 | 3     | "20030193584"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>19:24 |
| S45 | 2     | "5848196".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>19:24 |
| S46 | 3     | "20030086603"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>19:25 |
| S47 | 2     | "7230742".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/13<br>19:25 |
| S48 | 46255 | edge with color   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>10:09 |
| S49 | 12681 | 382/162,165,199,205,224-225,254,260-261,263-264,266,268,275.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>10:09 |

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| S50 | 1696 | S48 and S49   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>10:09 |
| S51 | 127  | (color near3 gradient) and S50  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>10:09 |
| S52 | 10   | (US-7023487-\$ or US-7020335-\$ or<br>US-7003173-\$ or US-5819035-\$ or<br>US-7155067-\$ or US-5832115-\$ or<br>US-5420971-\$ or US-6262773-\$ or<br>US-6771793-\$ or US-6956976-\$).did. | USPAT   | ADJ | ON | 2009/10/14<br>10:10 |
| S53 | 1    | S51 and S52   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>10:10 |
| S54 | 4    | ((edge or gradient or discontinuity)<br>near5 color) and S52  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>10:12 |
| S55 | 3    | S54 not S53   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>10:12 |
| S56 | 8    | ((monochrome or grey or gray or<br>luminance or luminence or intensity)<br>with edge) and S52   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/10/14<br>10:15 |

**EAST Search History (Interference)**

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**10/ 14/ 2009 2:45:54 PM****C:\ Documents and Settings\ tconway\ My Documents\ EAST\ Workspaces\ 10597597.wsp**